

# WEST Search History

DATE: Wednesday, July 05, 2006

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<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>				
<input type="checkbox"/>	L25	l23 and L24		251
<input type="checkbox"/>	L24	robot\$6 and L23		251
<input type="checkbox"/>	L23	camera and L22		375
<input type="checkbox"/>	L22	minimally invasive surgery and remote		787
<input type="checkbox"/>	L21	L12 or L20		1186
<input type="checkbox"/>	L20	L16 or L19		289
<input type="checkbox"/>	L19	robot\$6 and L18		251
<input type="checkbox"/>	L18	camera and L17		375
<input type="checkbox"/>	L17	minimally invasive surgery and remote		787
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>				
<input type="checkbox"/>	L16	minimally invasive and robotic surgery and wrist		127
<input type="checkbox"/>	L15	11/015212		2
<input type="checkbox"/>	L14	10/015212		1
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<input type="checkbox"/>	L12	image guided surgery or telepresence surgery or remote surgery or robotic surgery		1062
<input type="checkbox"/>	L11	L10 and 1991		113
<input type="checkbox"/>	L10	(handle or joystic) and L9		428
<input type="checkbox"/>	L9	manipulat\$3 and L8		1124
<input type="checkbox"/>	L8	computer\$4 and L7		1454
<input type="checkbox"/>	L7	invasive and L6		1978
<input type="checkbox"/>	L6	(surgery or surgical\$2 or surgeon) and L5		5080
<input type="checkbox"/>	L5	surg\$8 and L4		5717
<input type="checkbox"/>	L4	robotic\$ and L3		5717
<input type="checkbox"/>	L3	robot\$6 and surg\$8		7514
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<input type="checkbox"/>	L2	('6850817'  '6788999'  '6574355'  'US20030176948A')!.ABPN1,NRPN,PN,TBAN,WKU.		6
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<input type="checkbox"/>	L1	6788999   4141347   4391281   4327738   4305296   44346662   4433690   4446740   4476874   4471785   4607868   4624143   4730495   4862892   5062763   5150714).pn.		48

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**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IEE CNF = IEE Conference, IEEE STD = IEEE Standard

1. **Telepresence technology in medicine: principles and applications**  
Hills, J.W.; Jensen, J.F.;  
Proceedings of the IEEE  
Volume 86, Issue 3, March 1998 Page(s):569 - 580  
IEEE JNL
2. **The Black Falcon: a teleoperated surgical instrument for minimally invasive surgery**  
Madhani, A.J.; Niemeyer, G.; Salisbury, J.K., Jr.;  
Intelligent Robots and Systems, 1998. Proceedings., 1998 IEEE/RSJ International Conference on  
Volume 2, 13-17 Oct. 1998 Page(s):936 - 944 vol.2  
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3. **Minimally invasive surgery and technology**  
Fiennes, A.G.T.W.;  
Technology in Medicine: Has Practice Met the Promise? (Digest No. 1996/177), IEE Colloquium on  
7 Oct. 1996 Page(s):2/1 - 2/3  
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4. **Generalized approach for modeling minimally invasive surgery as a stochastic process using a discrete Markov model**  
Rosen, J.; Brown, J.D.; Chang, L.; Sinanan, M.N.; Hannaford, B.;  
Biomedical Engineering, IEEE Transactions on  
Volume 53, Issue 3, March 2006 Page(s):399 - 413  
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5. **Research directions in biomedical engineering**  
Neuman, M.R.; Brill, A.B.; Gibbons, D.F.; Greatbatch, W.; Mates, R.; Rushmer, R.F.;  
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Volume 8, Issue 3, Sept. 1989 Page(s):18 - 26  
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6. **Micromechatronics in medicine**  
Dario, P.; Carrozza, M.C.; Allotta, B.; Guglielmelli, E.;  
Mechatronics, IEEE/ASME Transactions on  
Volume 1, Issue 2, June 1996 Page(s):137 - 148  
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7. **Applications of micromechatronics in minimally invasive surgery**  
Tendick, F.; Sastry, S.S.; Fearing, R.S.; Cohn, M.;  
Mechatronics, IEEE/ASME Transactions on  
Volume 3, Issue 1, March 1998 Page(s):34 - 42  
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8. **A laparoscopic telesurgical workstation**  
Cavusoglu, M.C.; Tendick, F.; Cohn, M.; Sastry, S.S.;  
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Volume 15, Issue 4, Aug. 1999 Page(s):728 - 739  
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- 9. Markov modeling of minimally invasive surgery based on tool/tissue interaction and force/torque signatures for evaluating surgical skills**  
Rosen, J.; Hannaford, B.; Richards, C.G.; Sinanan, M.N.;  
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- 10. Smart surgical tools and augmenting devices**  
Dario, P.; Hannaford, B.; Menciassi, A.;  
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- 11. Applications of MEMS in surgery**  
REBELLO, K.J.;  
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- 12. A Versatile Mechatronic Tool for Minimally Invasive Surgery**  
Amato, F.; Carbone, M.; Cosentino, C.; Merola, A.; Morelli, M.; Zullo, F.;  
Biomedical Robotics and Biomechatronics, 2006. BioRob 2006. The First  
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- 13. Toward tool gesture and motion recognition on a novel minimally invasive surgery robotic system**  
Hsu, J.; Payandeh, S.;  
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- 14. Compact forceps manipulator for laparoscopic surgery**  
Suzuki, T.; Katayama, Y.; Kobayashi, E.; Sakuma I.;  
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- 15. On integration of a novel minimally invasive surgery robotic system**  
Hsu, J.K.; Temei Li; Payandeh, S.;  
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- 16. Design issues in a haptics-based master-slave system for minimally invasive surgery**  
Tavakoli, M.; Patel, R.V.; Moallem, M.;  
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- 17. A Distributed Framework for Relaying Stereo Vision for Telerobotics**  
Al-Mouhamed, M.; Toker, O.; Iqbal, A.; Nazeeruddin, M.;  
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**18. A force reflective master-slave system for minimally invasive surgery**

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**19. Hyper redundant miniature manipulator "Hyper Finger" for remote  
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Ikuta, K.; Hasegawa, T.; Daifu, S.;  
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**20. Improving the performance of PC-based controllers for robot-assisted  
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Casadei, C.; Fiorini, P.; Martelli, S.; Montanari, M.;  
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Casadei, C.; Fiorini, P.; Martelli, S.; Montanari, M.; Morri, A.;  
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**22. Micro motor based new type of endoscope**

Gao, L.M.; Chen, Y.; Lin, L.M.; Yan, G.Z.;  
Engineering in Medicine and Biology Society, 1998. Proceedings of the 20th  
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Volume 4, 29 Oct.-1 Nov. 1998 Page(s):1822 - 1825 vol.4  
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**23. Human-machine interfaces for minimally invasive surgery**

Tendick, F.; Cavusoglu, M.C.;  
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